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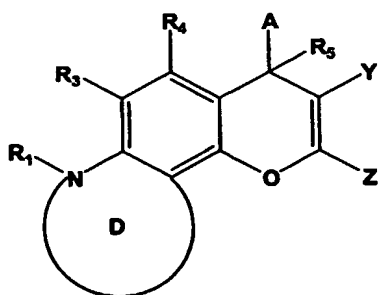
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(54) Title: SUBSTITUTED 4-ARYL-4H-PYRROLO[2,3-H]CHROMENES AND ANALOGS AS ACTIVATORS OF CASPASES AND INDUCERS OF APOPTOSIS AND THE USE THEREOF



(I)

(57) Abstract: The present invention is directed to substituted 4H-chromenes and analogs thereof, represented by the Formula (I): wherein R¹, R³-R⁵, A, D, Y and Z are defined herein. The present invention also relates to the discovery that compounds having Formula (I) are activators of caspases and inducers of apoptosis. Therefore, the activators of caspases and inducers of apoptosis of this invention can be used to induce cell death in a variety of clinical conditions in which uncontrolled growth and spread of abnormal cells occurs.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07D 401/00, 235/02; A61K 31/44

US CL : 546/273.1, 276.1; 548/302.1; 514/338, 387

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST, STN CAS ON LINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,281,619 A (DELL et al) 25 January 1994 (25.01.1994) entire document	1-92

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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